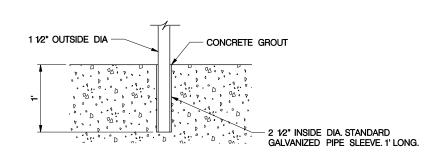


IN GROUND

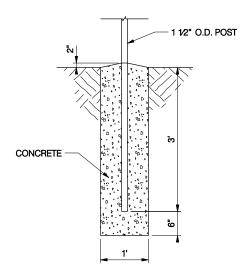
ELEVATION VIEW

## TYPICAL PIPE RAILING ON PARAPET, WINGWALL, HEADWALL OR RETAINING WALL

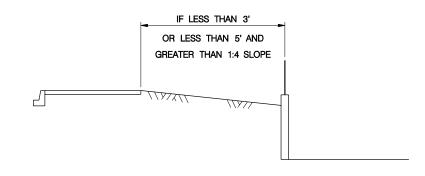


DETAIL OF

TYPICAL POST SETTING
ON PARAPET, WINGWALL, HEADWALL
OR RETAINING WALL



TYPICAL POST SETTING IN GROUND (PIPE RAILING)



## RAILINGS REQUIRED

A MINIMUM 2 FOOT WIDE GRADED AREA WITH A MAXIMUM 1:6 SLOPE SHOULD BE MAINTAINED ADJACENT TO BOTH SIDES OF A PATH OR SIDEWALK. THREE FEET OR MORE ARE DESIRABLE TO PROVIDE CLEARANCE FROM TREES, POLES, WALLS, FENCES, GUARDRAILS OR OTHER LATERAL OBSTRUCTIONS. WHERE THE PATH IS ADJACENT TO WATERWAYS OR SLOPES DOWN STEEPER THAN 1:4, A MINIMUM 5 FOOT SEPARATION FROM THE EDGE OF THE PAVEMENT TO THE TOP OF THE SLOPE IS DESIRABLE. WHEN THIS DESIRABLE DISTANCE CAN NOT BE MET, THE INSTALLATION OF HANDRAIL ADJACENT TO THE TOP OF SLOPE SHOULD BE CONSIDERED. OTHER COMBINATIONS OF SLOPES, EMBANKMENT HEIGHTS AND CONDITIONS AT THE BOTTOM MAY WARRANT THE NEED FOR A HANDRAIL.

